

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** ARC 199

**Credits:** 3

**Course Title:** Supervised Study in Architectural Design: Architectural Drafting III

**Course Description:** Provides fundamental knowledge of the principles and techniques of architectural drawings and procedures. Familiarizes students with design process to provide a better understanding of the relationship between architectural design and structural systems. Computer-aided design/drafting begins to assume a dominant role in the drawing production process. Prerequisites: ARC 122 or equivalent and DRF 231. Prerequisite or Co-requisite: ARC 211. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

**General Course Purpose:** An introduction to the architectural design and document process as related to commercial type projects.

**Course Prerequisites and Co-requisites:**

Prerequisites: ARC 122 or equivalent and DRF 231.

Prerequisite or Co-requisite: ARC 211

**Course Objectives:**

Upon completing the course, the student will be able to:

- a. Conduct design research regarding program, site, and code requirements.
- b. Create a complete set of working drawings utilizing computer-assisted design techniques.
- c. Design building construction details appropriate to the type of construction system being utilized.

**Major Topics to Be Included:**

- a. Schematic analysis
- b. Preliminary design development
- c. Construction document preparation
- d. Construction detailing

**Effective Date of Course Content Summary:** September 4, 2014